

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061190.D
 Acq On : 14 May 2024 15:12
 Operator : MA/JU
 Sample : P2451-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20240509

Quant Time: May 14 15:49:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

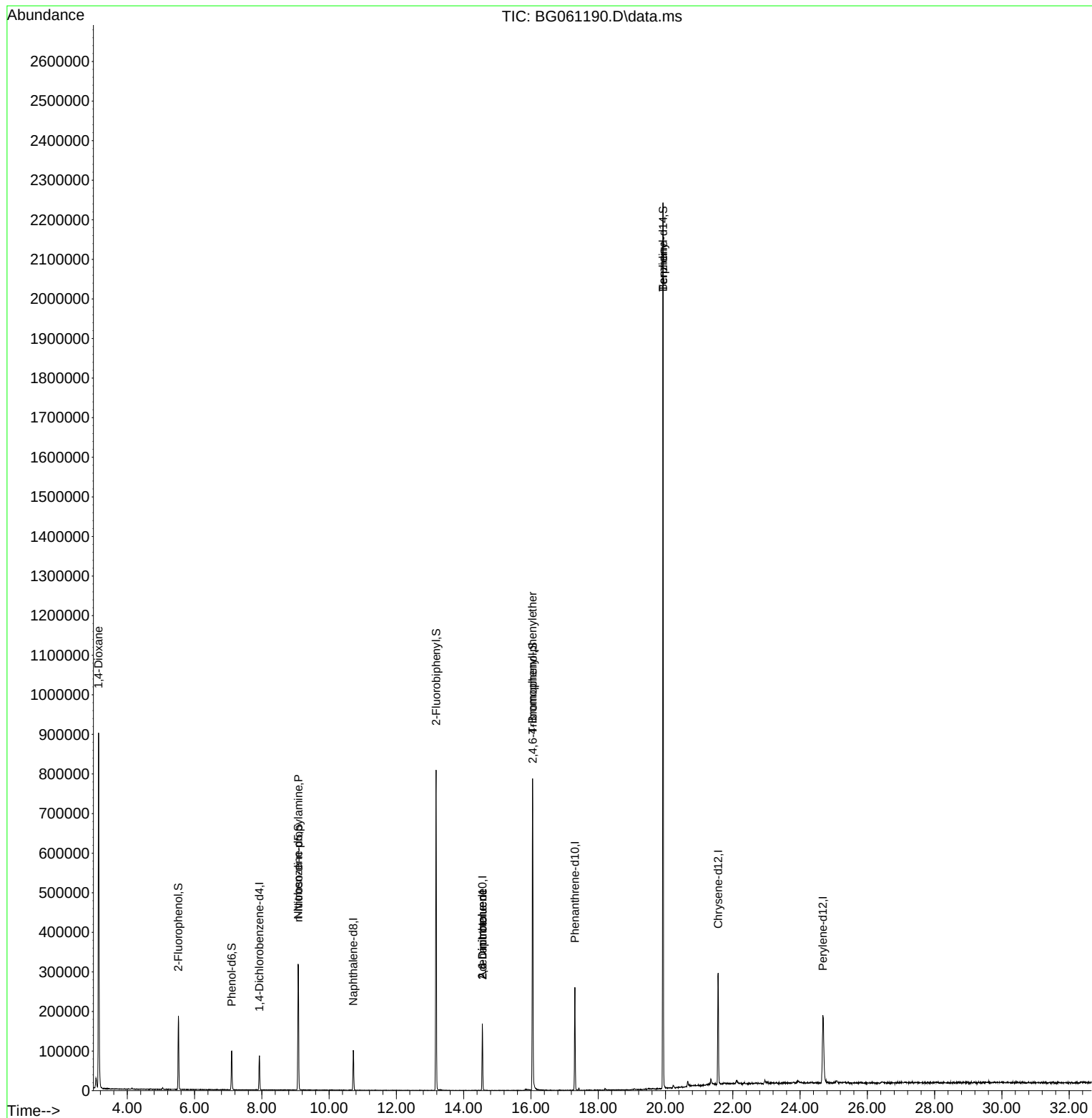
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	22512	20.000	ng	-0.03
21) Naphthalene-d8	10.719	136	79635	20.000	ng	-0.04
39) Acenaphthene-d10	14.556	164	57380	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	171001	20.000	ng	-0.03
76) Chrysene-d12	21.565	240	187876	20.000	ng	#-0.03
86) Perylene-d12	24.679	264	226032	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	65664	59.321	ng	-0.03
7) Phenol-d6	7.106	99	46115	28.162	ng	-0.03
23) Nitrobenzene-d5	9.080	82	167845	104.482	ng	-0.04
42) 2,4,6-Tribromophenol	16.054	330	196253	171.112	ng	-0.02
45) 2-Fluorobiphenyl	13.181	172	410582	105.809	ng	-0.03
79) Terphenyl-d14	19.926	244	1097068	97.116	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.146	88	6837	15.276	ng	# 1
19) n-Nitroso-di-n-propyla...	9.086	70	24839	20.269	ng	# 62
51) 2,6-Dinitrotoluene	14.556	165	8353	8.811	ng	# 17
57) 2,4-Dinitrotoluene	14.556	165	8353	5.956	ng	# 19
67) 4-Bromophenyl-phenylether	16.048	248	10514	5.219	ng	# 1
77) Benzydine	19.926	184	16377	7.109	ng	# 89

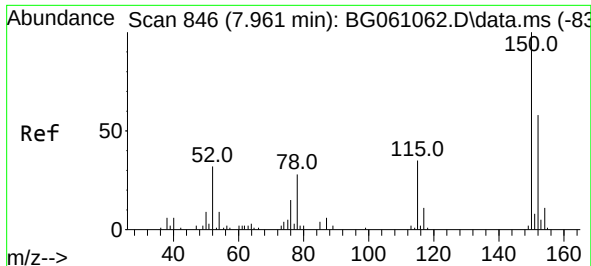
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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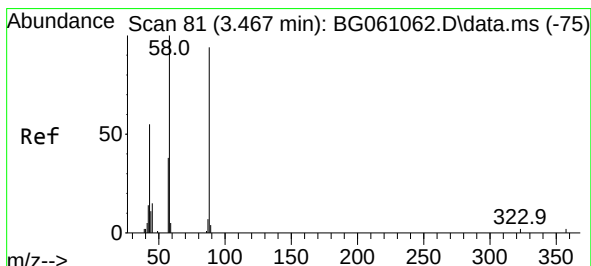
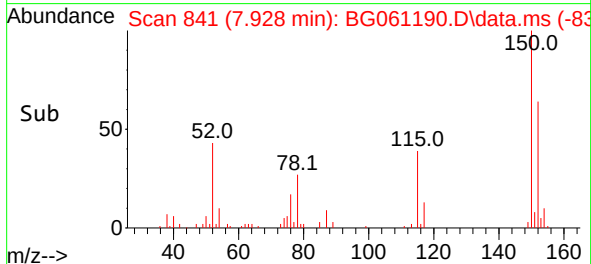
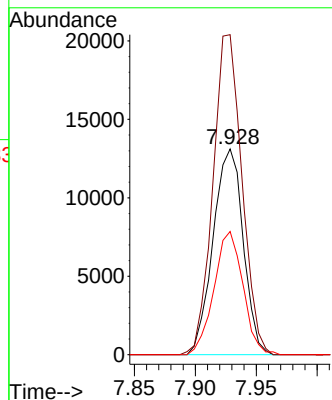
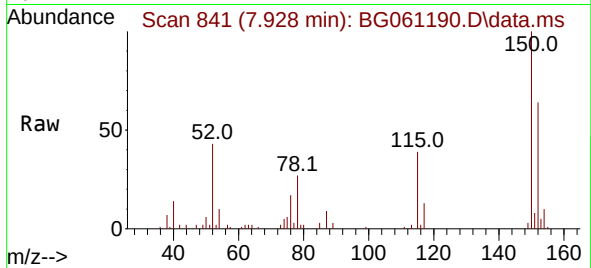




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.928 min Scan# 84
 Delta R.T. -0.033 min
 Lab File: BG061190.D
 Acq: 14 May 2024 15:12

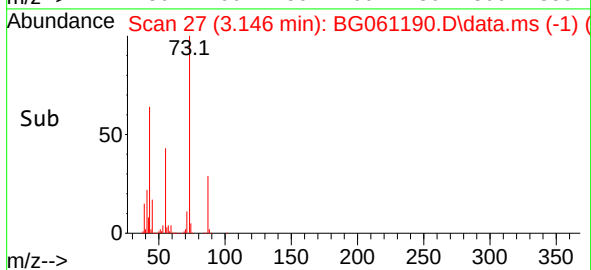
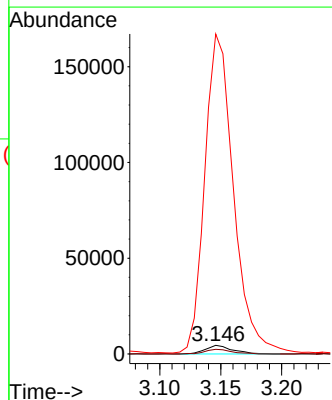
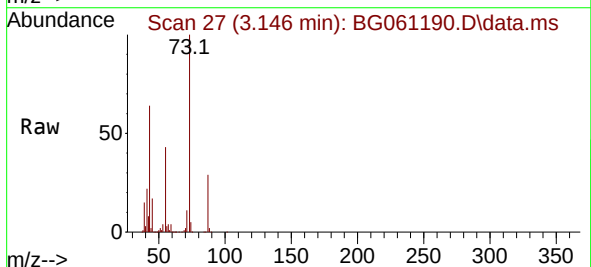
Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20240509

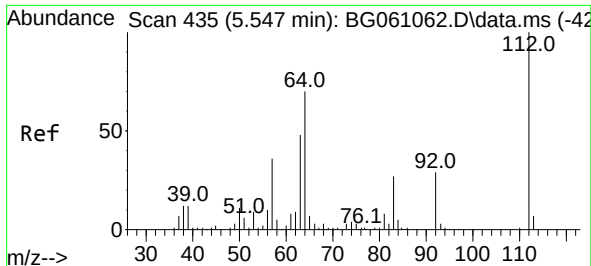
Tgt Ion:152 Resp: 22512
 Ion Ratio Lower Upper
 152 100
 150 155.6 138.3 207.5
 115 59.9 48.0 72.0



#2
 1,4-Dioxane
 Concen: 15.276 ng
 RT: 3.146 min Scan# 27
 Delta R.T. -0.321 min
 Lab File: BG061190.D
 Acq: 14 May 2024 15:12

Tgt Ion: 88 Resp: 6837
 Ion Ratio Lower Upper
 88 100
 58 55.0 81.2 121.8#
 43 3998.5 45.0 67.4#

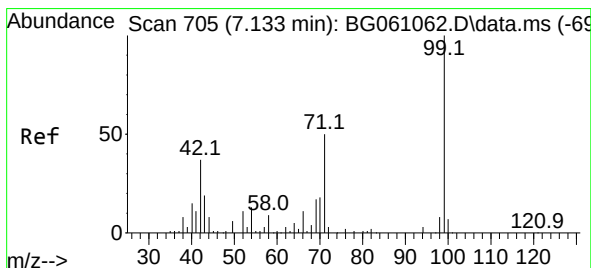
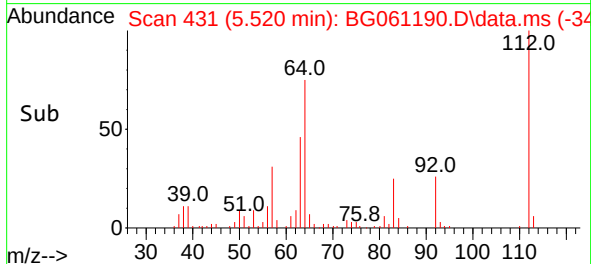
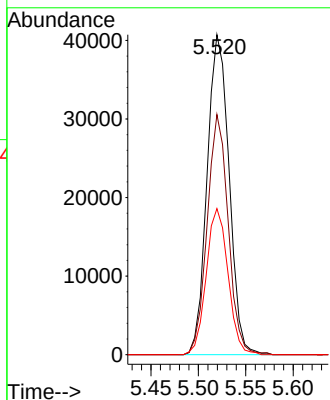
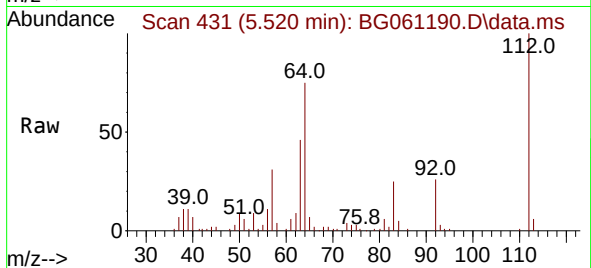




#5
2-Fluorophenol
Concen: 59.321 ng
RT: 5.520 min Scan# 41
Delta R.T. -0.027 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

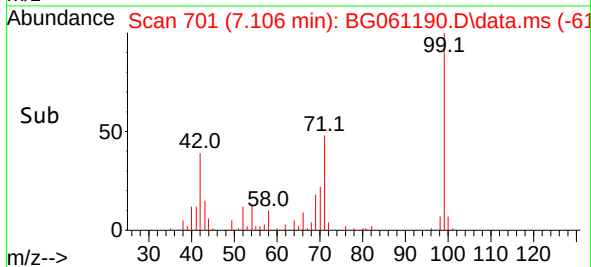
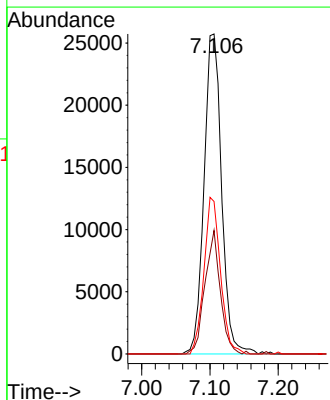
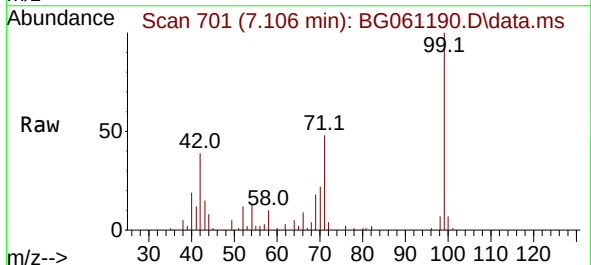
Instrument :
BNA_G
ClientSampleId :
SP-303-20240509

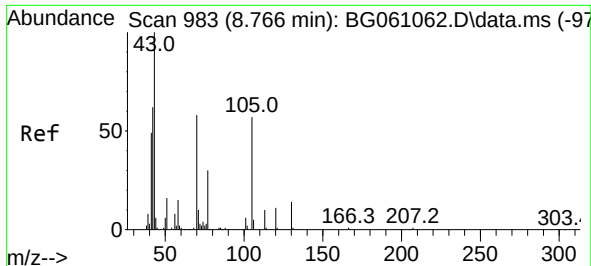
Tgt Ion:112 Resp: 65664
Ion Ratio Lower Upper
112 100
64 75.1 55.7 83.5
63 45.6 38.1 57.1



#7
Phenol-d6
Concen: 28.162 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.027 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Tgt Ion: 99 Resp: 46115
Ion Ratio Lower Upper
99 100
42 38.6 29.2 43.8
71 47.6 39.7 59.5

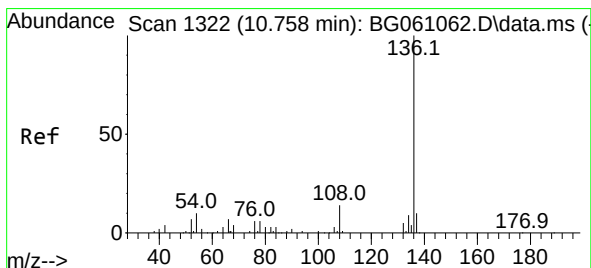
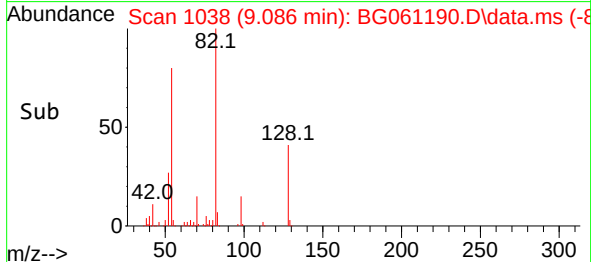
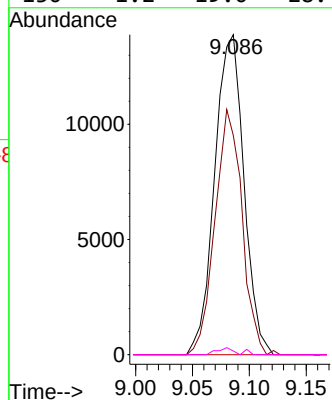
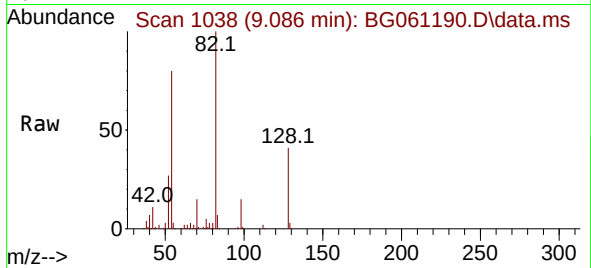




#19
n-Nitroso-di-n-propylamine
Concen: 20.269 ng
RT: 9.086 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

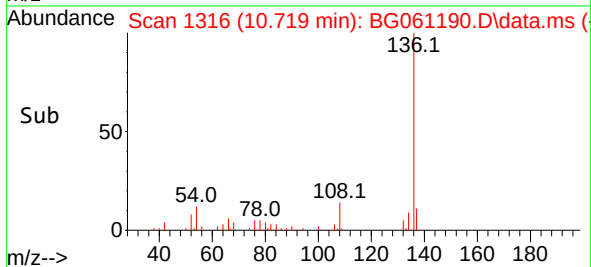
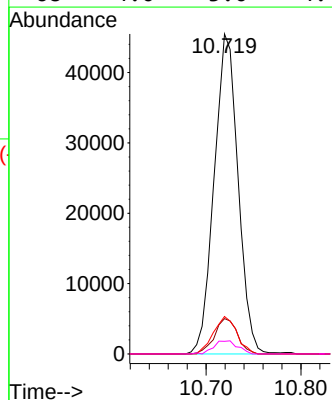
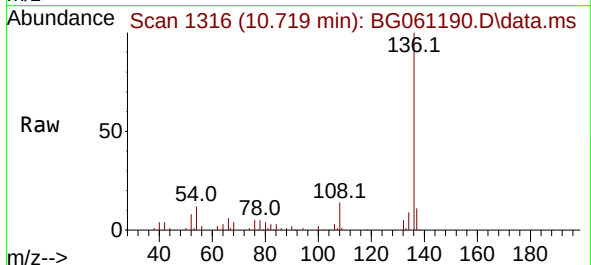
Instrument :
BNA_G
ClientSampleId :
SP-303-20240509

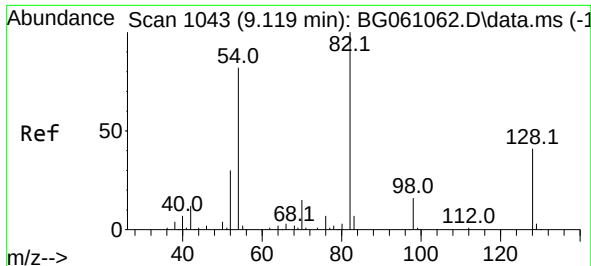
Tgt Ion: 70 Resp: 24839
Ion Ratio Lower Upper
70 100
42 68.5 86.4 129.6#
101 0.0 7.8 11.8#
130 1.2 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1316
Delta R.T. -0.039 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Tgt Ion: 136 Resp: 79635
Ion Ratio Lower Upper
136 100
137 11.1 7.8 11.6
54 11.7 8.1 12.1
68 4.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 104.482 ng

RT: 9.080 min Scan# 1

Delta R.T. -0.039 min

Lab File: BG061190.D

Acq: 14 May 2024 15:12

Instrument :

BNA_G

ClientSampleId :

SP-303-20240509

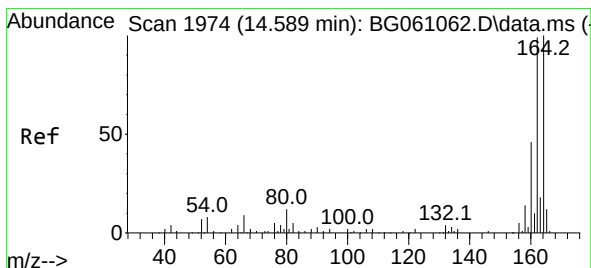
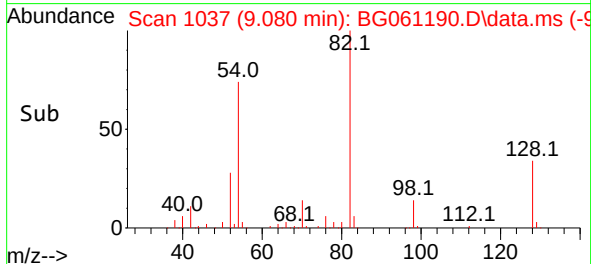
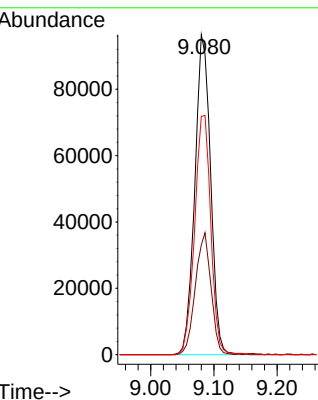
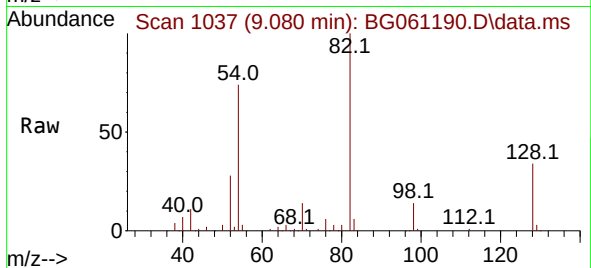
Tgt Ion: 82 Resp: 167845

Ion Ratio Lower Upper

82 100

128 34.3 32.7 49.1

54 74.5 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.033 min

Lab File: BG061190.D

Acq: 14 May 2024 15:12

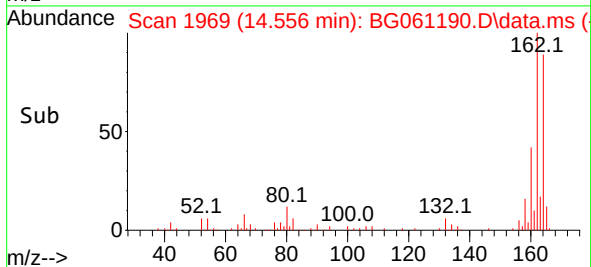
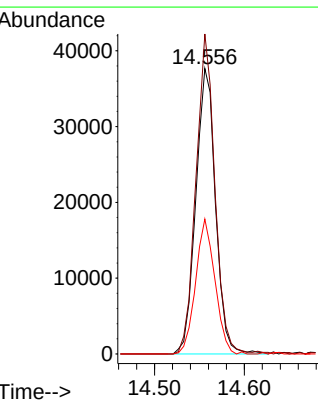
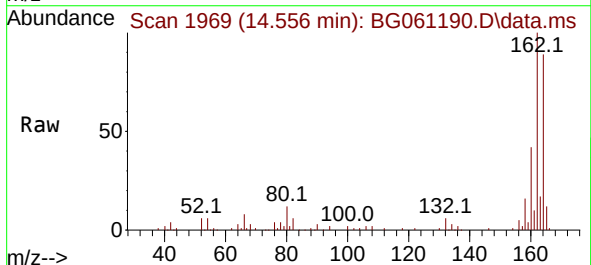
Tgt Ion:164 Resp: 57380

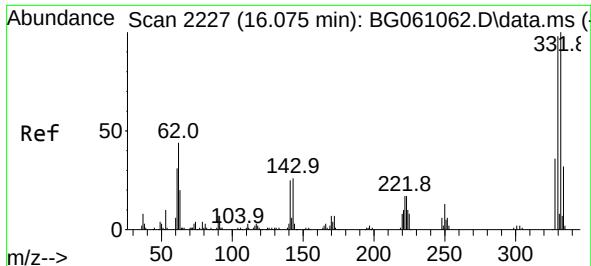
Ion Ratio Lower Upper

164 100

162 112.1 79.4 119.2

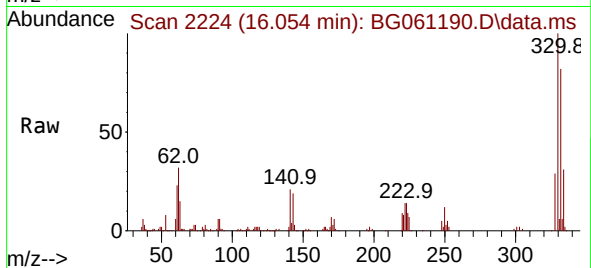
160 47.2 37.0 55.6



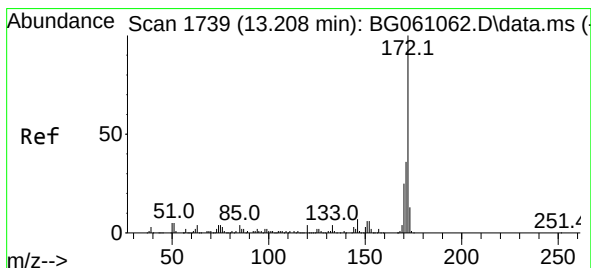
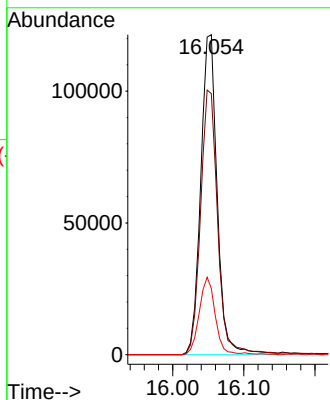
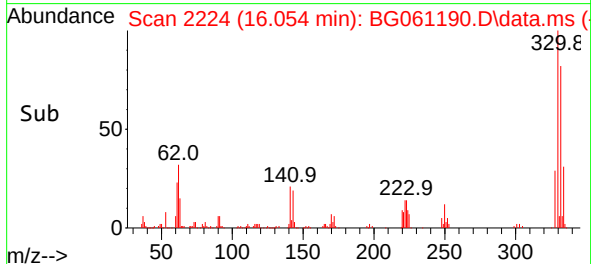


#42
2,4,6-Tribromophenol
Concen: 171.112 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Instrument :
BNA_G
ClientSampleId :
SP-303-20240509

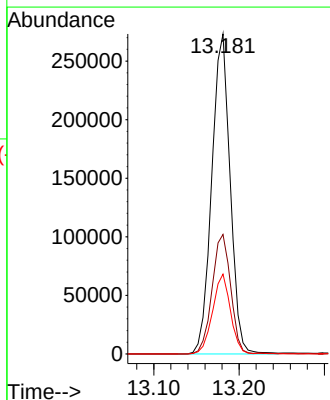
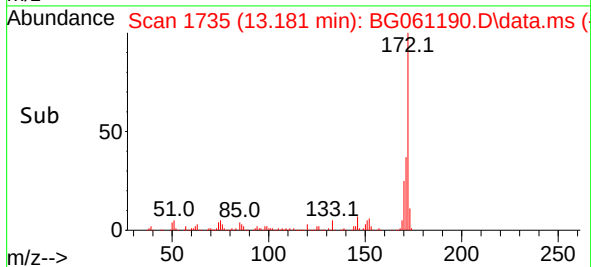
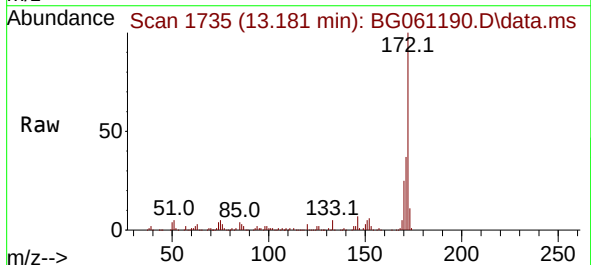


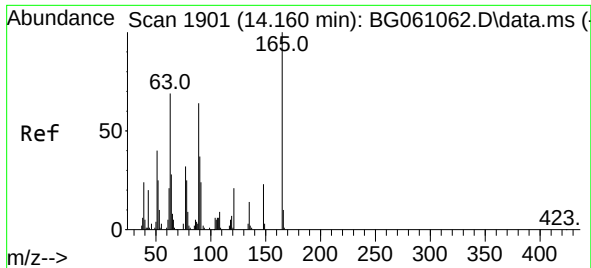
Tgt Ion:330 Resp: 196253
Ion Ratio Lower Upper
330 100
332 86.3 78.6 117.8
141 23.2 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 105.809 ng
RT: 13.181 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Tgt Ion:172 Resp: 410582
Ion Ratio Lower Upper
172 100
171 37.4 29.0 43.6
170 24.9 20.2 30.4

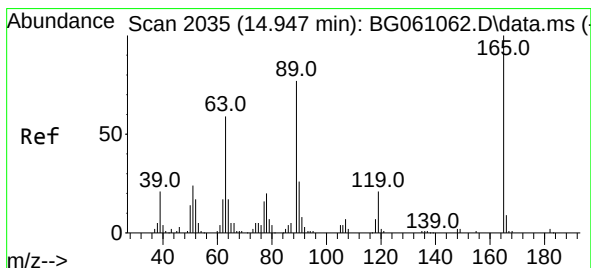
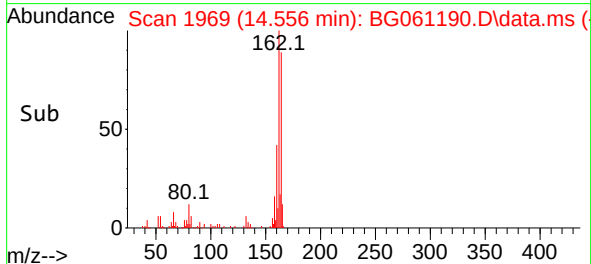
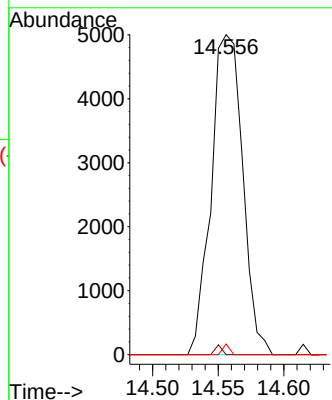
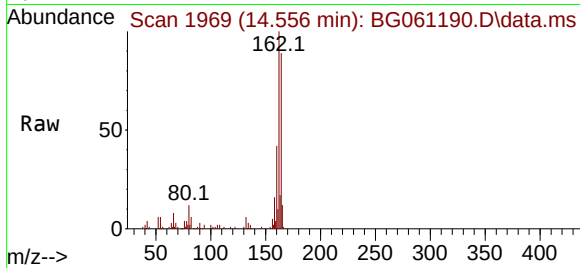




#51
2,6-Dinitrotoluene
Concen: 8.811 ng
RT: 14.556 min Scan# 1969
Delta R.T. 0.396 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

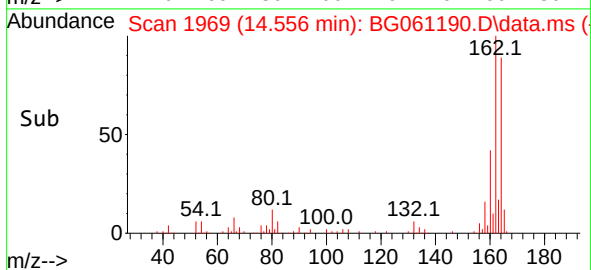
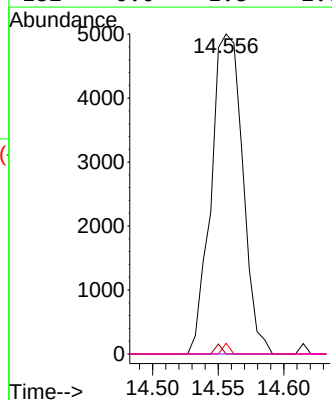
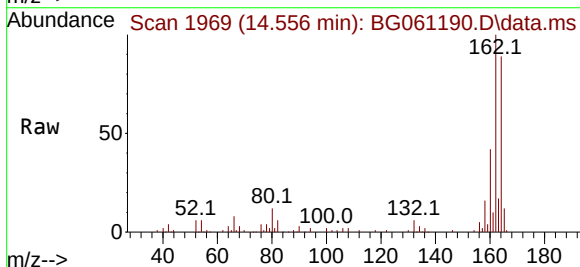
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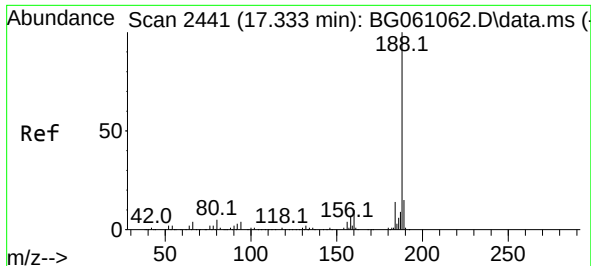
Tgt Ion:165 Resp: 8353
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 3.4 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.956 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Tgt Ion:165 Resp: 8353
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 3.4 61.8 92.8#
182 0.0 1.8 2.6#

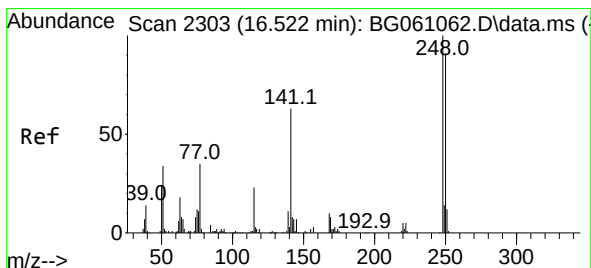
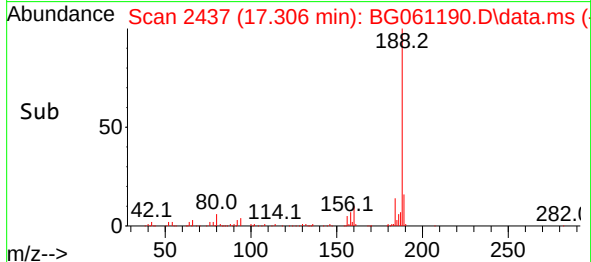
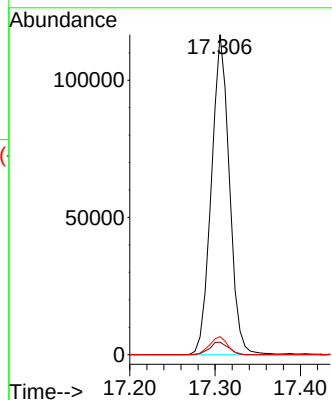
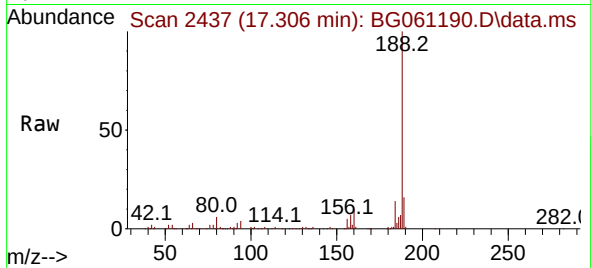




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

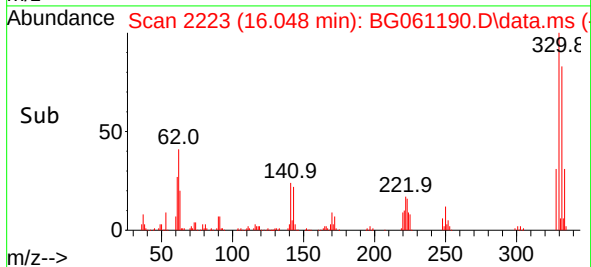
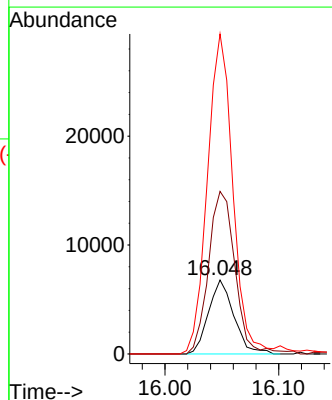
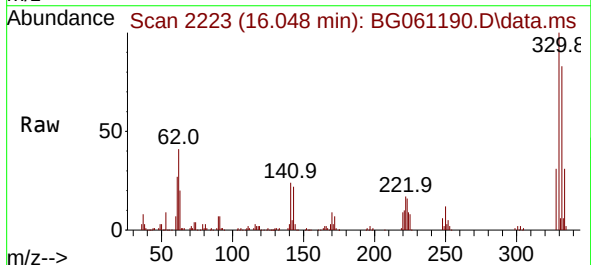
Instrument :
BNA_G
ClientSampleId :
SP-303-20240509

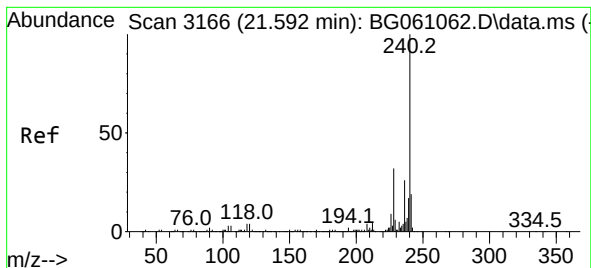
Tgt Ion:188 Resp: 171001
Ion Ratio Lower Upper
188 100
94 3.9 3.6 5.4
80 5.7 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 5.219 ng
RT: 16.048 min Scan# 2223
Delta R.T. -0.474 min
Lab File: BG061190.D
Acq: 14 May 2024 15:12

Tgt Ion:248 Resp: 10514
Ion Ratio Lower Upper
248 100
250 220.0 73.0 109.4#
141 433.1 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.565 min Scan# 3166

Delta R.T. -0.027 min

Lab File: BG061190.D

Acq: 14 May 2024 15:12

Instrument :

BNA_G

ClientSampleId :

SP-303-20240509

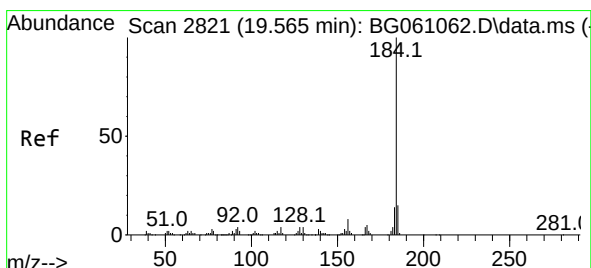
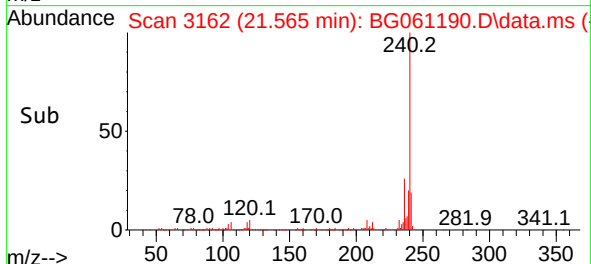
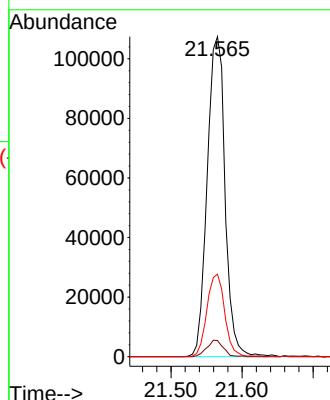
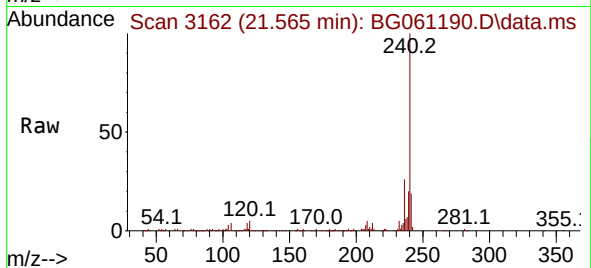
Tgt Ion:240 Resp: 187876

Ion Ratio Lower Upper

240 100

120 5.0 3.2 4.8#

236 25.8 21.0 31.6



#77

Benzidine

Concen: 7.109 ng

RT: 19.926 min Scan# 2883

Delta R.T. 0.361 min

Lab File: BG061190.D

Acq: 14 May 2024 15:12

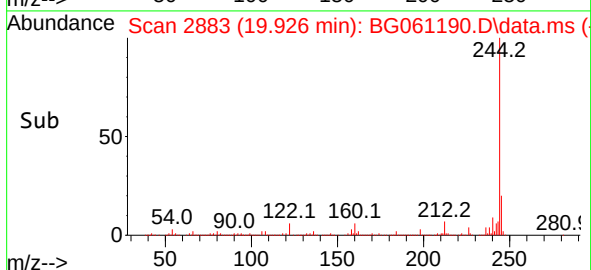
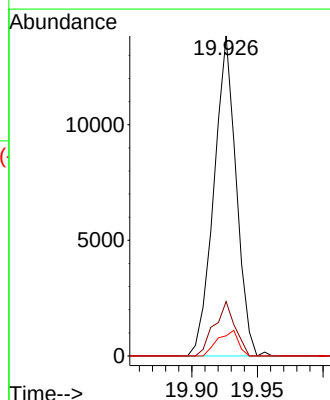
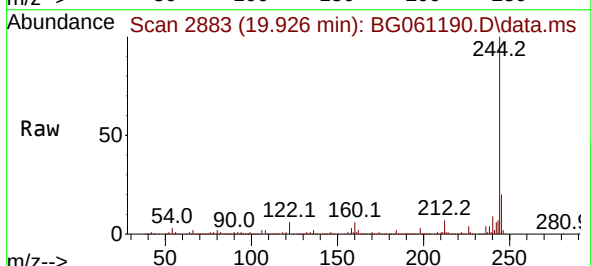
Tgt Ion:184 Resp: 16377

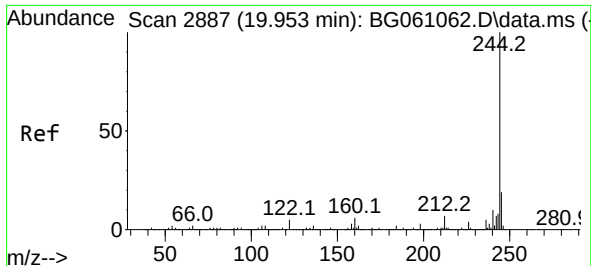
Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 6.3 10.9 16.3#

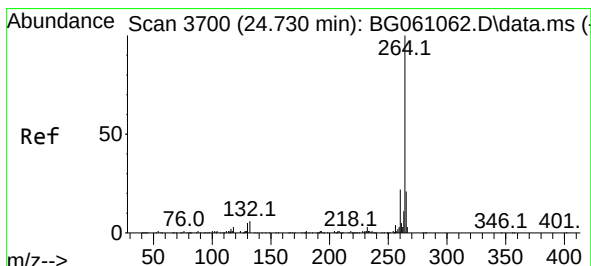
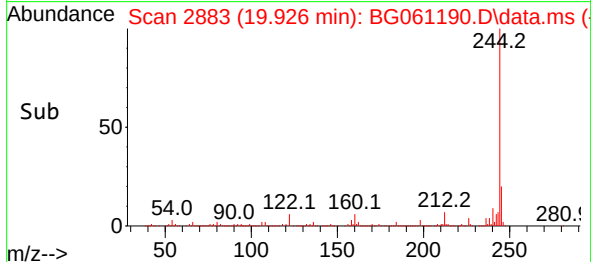
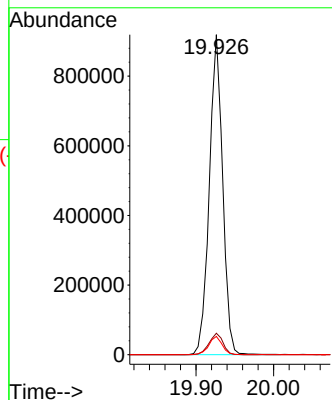
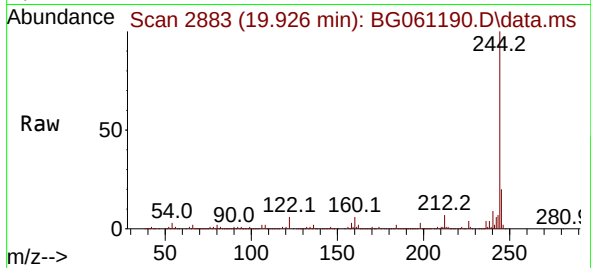




#79
 Terphenyl-d14
 Concen: 97.116 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061190.D
 Acq: 14 May 2024 15:12

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20240509

Tgt Ion:244 Resp: 1097068
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 5.7 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.679 min Scan# 3692
 Delta R.T. -0.051 min
 Lab File: BG061190.D
 Acq: 14 May 2024 15:12

Tgt Ion:264 Resp: 226032
 Ion Ratio Lower Upper
 264 100
 260 21.3 17.7 26.5
 265 16.9 16.4 24.6

